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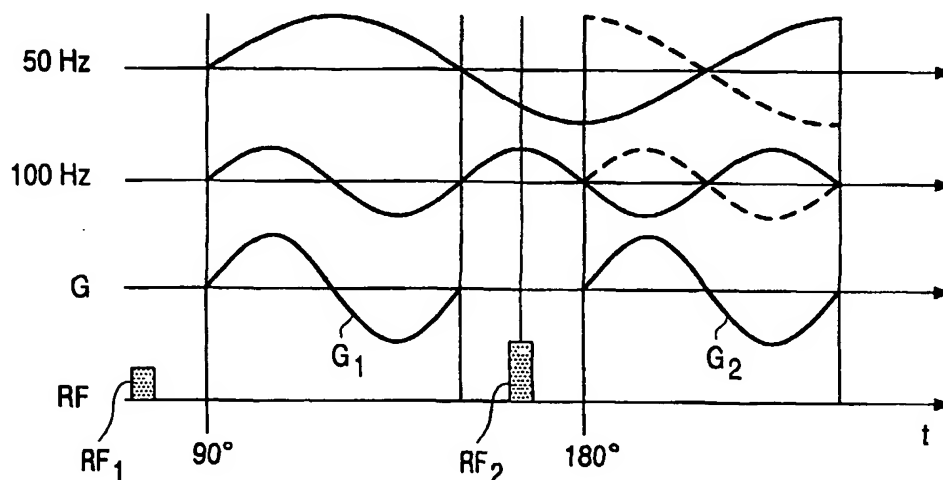
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(54) Title: METHOD OF EXAMINING AN OBJECT BY MEANS OF ELASTOGRAPHY



(57) **Abstract:** The invention relates to a method of elastography whose diagnostic performance is improved in that the variation in time of the excursion whereby a region responds to excitation by mechanical oscillations is analyzed and the non-linear distortions are measured. Such distortions are a measure of the non-linear elastic properties of the region and constitute a diagnostically relevant item of information.